INSTRUCTION MANUAL
MODEL 125A

Magnetic AB
Manufacturing Division

STOCKHOLM – BROMMA – SWEDEN

OPERATING NOTES

FOR

NOISE SOURCE

MODEL 125

MAGNETIC AB
Stockholm - Sweden

NOISE SOURCE MODEL 125

Specifications

Model	125A	125B	125C	125D
Frequency Range, GHz	0.01-1.5	1.0-12.4	1.0-18.0	0.005-18
Excess Noise, dB (vs freq)	15.5±0.5	15.5±0.5	15.5±0.75	15.2±0.75
VSWR	1.2	1.3	1.3	1.3
Connector	Type N	Type N	Type SMA	Type SMA
Length, mm, approx.	100	100	100	100
Input	28V	28V	28V	28V
Input Connector	BNC	BNC	BNC	BNC

Calibration Ser.no ...142...

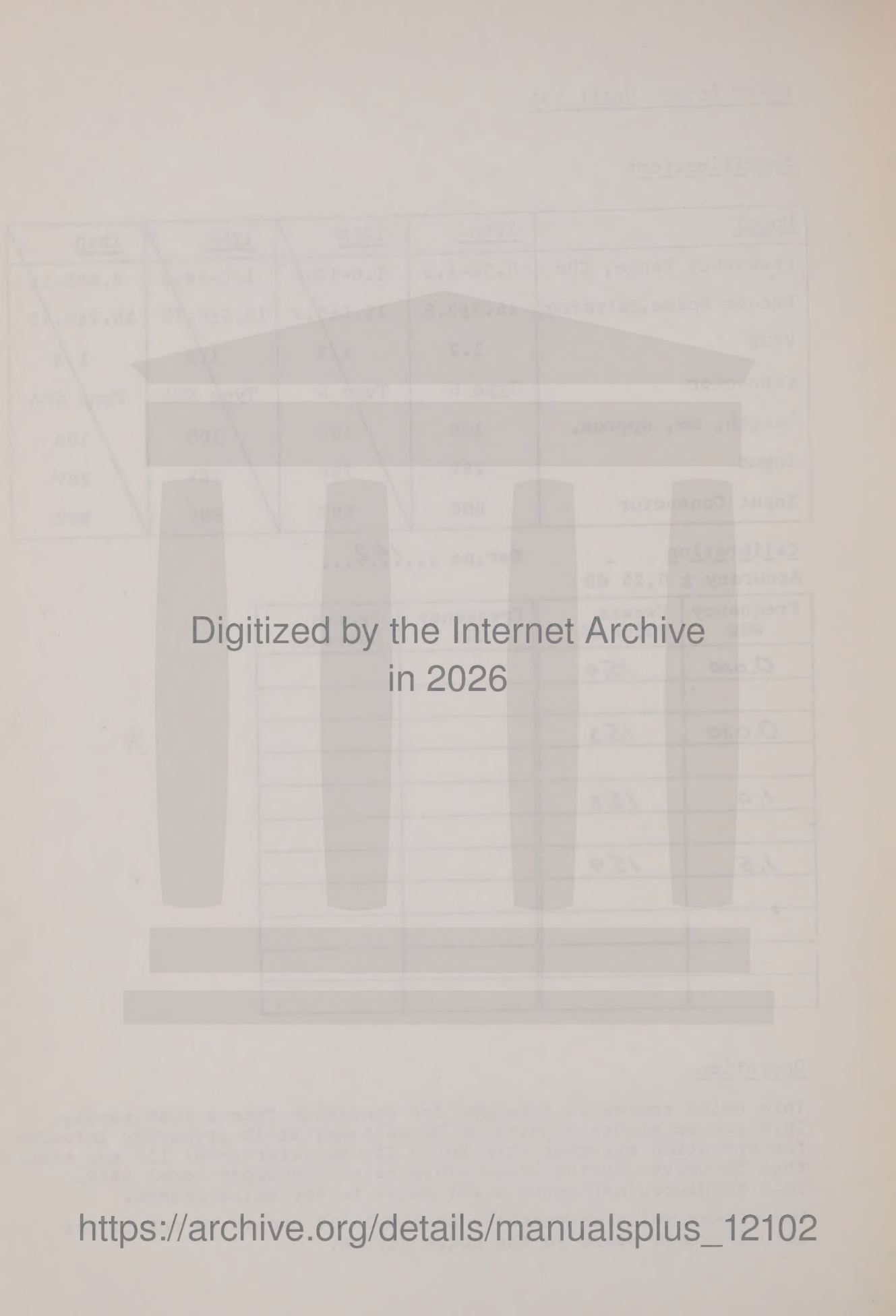
Accuracy ± 0,25 dB

Frequency GHz	Excess Noise dB	Frequency GHz	Excess Noise dB
0,010	15,4		
0,030	15,3		
1,0	15,8		
1,5	15,9		

Operation

This noise source is intended for operation from a +28V supply. This can be either a pulse or DC voltage. It is primarily intended for operation together with Noise Figure Meter model 117 and should then be driven by the solid state noise modulator model 1178. This modulator deliveres a 28V pulse to the noise source.

The excess noise compensator on model 117 should be set to the actual excess noise fo the noise source.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Guarantee

We guarantee to repair or replace free of charge any of the goods, other than consumable material such as semiconductors valves, lamps and fuses, found to our satisfaction within 12 months after the date of delivery, to be defective owing to faulty workmanship or materials, provided that in the case of goods or component not of our manufacture our liability under this condition is in no circumstances to extend beyond any corresponding liability to us of our supplier.

Any claims must be made within the period of guarantee. We reserve the right to decide what actions shall be taken in case of repair or replacement of parts according to this clause. Under no circumstances shall goods be returned without our consent.

This guarantee does not cover the repair or replacement of any part or parts which fail due to mistakes on the part of operating personnel or of operation of the equipment in a way other than laid down in the operating instructions, or due to fair wear and tear or any other causes not covered by the above guarantee.

RETURN PROCEDURE:

Do not return goods without our written consent. A letter stating the claim should be sent to MAGNETIC AB, Manufacturing Division, Box 110 60 S-161 11, Bromma 11, Sweden. The failure must be clearly specified and model and serial number, of the equipment should be carefully noted.

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